

Application No. 10/828,953

Docket No. 2003U013.US

Reply to Office Action Dated 10/05/2004

Amendments to the Specification

[0005] What would be desirable is a class of metallocenes that can be selected in such a way that the properties of the polyethylene catalyzed by the one or more metallocenes of the class can be predictably controlled. There are disclosures of metallocenes as being "good" comonomer incorporators such as in US 6,410,659 B1, WO 98/28350 and WO 94/03506, which is consistent with the general observation of metallocenes being good comonomer incorporators relative to other olefin polymerization catalysts, such as pointed out by *Karol et al.* in METALORGANIC CATALYSTS FOR SYNTHESIS AND POLYMERIZATION at 632. Some metallocenes have been disclosed as being "poor" comonomer incorporators such as in WO 03/008465 A2, WO 03/008465, and US 6,642,400 B2. These poor comonomer incorporating metallocenes are bridged bis-Cp compounds as in the former two disclosures, or otherwise highly complex systems as in the later patent. One disadvantage to these poor comonomer incorporating metallocenes is the relative complexity and hence cost of manufacturing such compounds. What would be desirable is a class of metallocenes that is simpler and less expensive to manufacture, yet provide a broader range of properties to the polyethylenes produced therefrom, preferably, the possibility of low comonomer incorporation.

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